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(54) Title: APPARATUS FOR DETERMINING A FREQUENCY OFFSET ERROR AND RECEIVER BASED THEREON
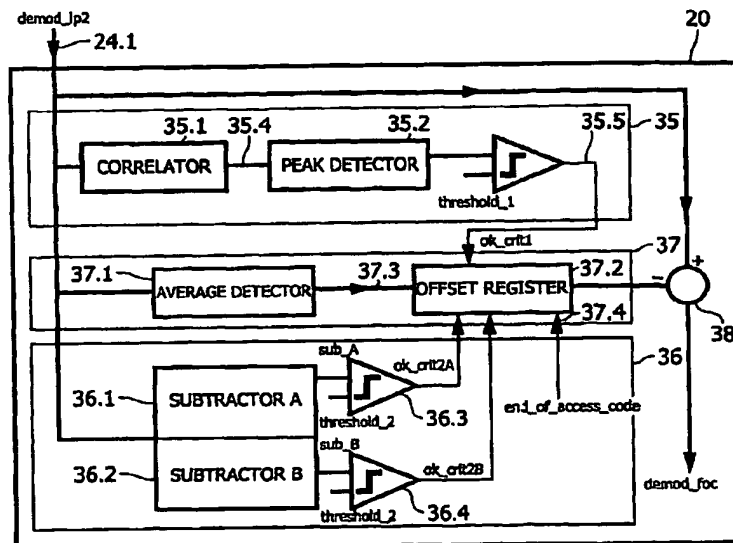
(57) Abstract: The apparatus (20) for determining a frequency offset error comprises an input (24.1) for receiving a digitally coded frequency demodulated signal (demod Ip2). The frequency demodulated signal (demod Ip2) is processed by digital means (35) for performing a correlation, and by digital means (36) for performing a minimum-maximum evaluation. In order to determine whether a correlation criterion and a minimum-maximum criterion are fulfilled, the apparatus (20) comprises digital processing means (38) to calculate the current offset of the frequency demodulated signal (demod Ip2) and to cancel the current offset if both criteria are fulfilled.

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